

W. A. SPARKS.
MAGAZINE.

APPLICATION FILED APR. 19, 1905.

2 SHEETS—SHEET 1.

Fig. 1.

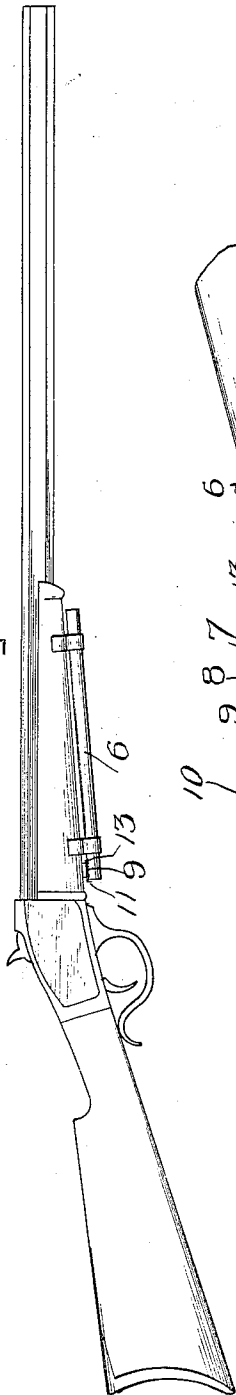


Fig. 2.

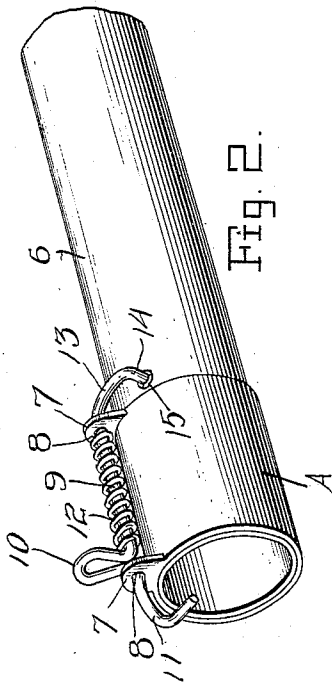
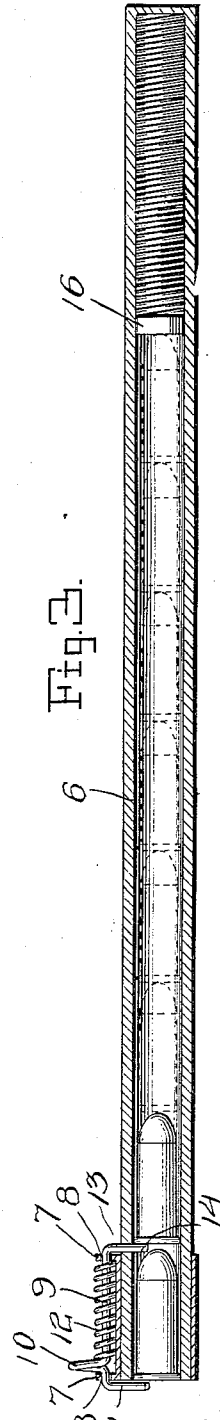


Fig. 3.



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2 SHEETS—SHEET 2.

Fig. 4.

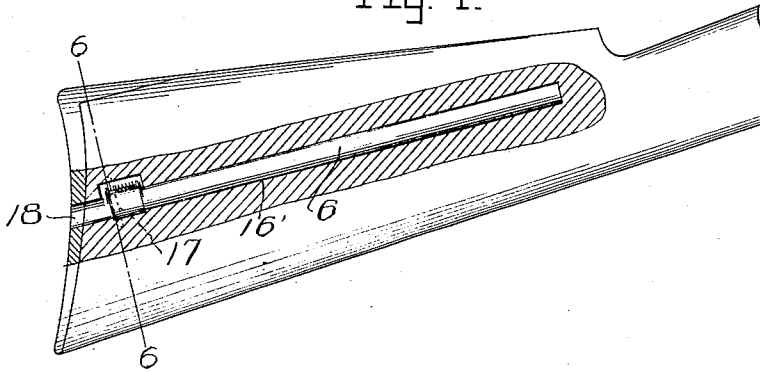


Fig. 5.

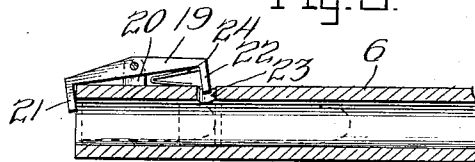
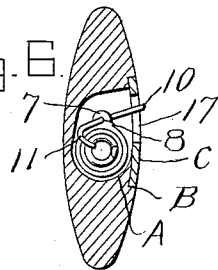


Fig. 6.



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UNITED STATES PATENT OFFICE.

WILLIAM A. SPARKS, OF ZURICH, KANSAS.

MAGAZINE.

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Specification of Letters Patent.

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Application filed April 19, 1905. Serial No. 256,401.

To all whom it may concern:

Be it known that I, WILLIAM A. SPARKS, a citizen of the United States, residing at Zurich, in the county of Rooks, State of Kansas, have invented certain new and useful Improvements in Magazines; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which

it appertains to make and use the same. This invention relates to firearms, and more particularly to magazines therefor, and has for its object to provide a device of this nature which may be attached to a gun and which will be arranged to hold a supply of cartridges for the gun.

Another object is to provide a magazine from which the cartridges may be easily withdrawn and which will be so arranged as to permit of the withdrawal of but a single cartridge at a time.

Other objects and advantages will be apparent from the following description, and it will be understood that changes may be made in the specific construction shown and described within the scope of the claims and that any suitable materials may be used without departing from the spirit of the invention.

In the drawings forming a portion of this specification, and in which like characters of reference indicate similar parts in the several views, Figure 1 is a side elevation of a gun provided with the present invention. Fig. 2 is a detail view of the rearward end of the tube, showing the latch in perspective, a portion of the tube being broken away. Fig. 3 is a longitudinal section of the magazine. Fig. 4 is a sectional view of a gun-stock, showing the magazine embedded therein. Fig. 5 is a view of a modified form of latch. Fig. 6 is a section on line 6 6 of Fig. 4.

Referring now to the drawings, the present invention comprises a tube 6, provided with means for attaching it to the barrel of a gun, as shown in Fig. 1. At the rearward end of the tube there is a sleeve A engaged therewith which is provided with a pair of upwardly-extending ears 7, which are spaced from each other longitudinally of the tube, the rearmost of these ears lying flush with the rearward end of the tube. The ears have alining openings 8 therein, in which there is rotatably engaged a rod 9, which between the ears is bent to form a laterally-extending finger-piece 10, having the form of a loop. At

its rearward end the rod 9 is bent to extend inwardly over the rearward end of the tube 6, as shown at 11, this portion 11 thus acting as a stop to prevent the passage of cartridges through the rearward end of the tube, which is open, as shown. The rod 9 is movable in the ears 7 to bring its portion 11 out of the just-described position; but it is held normally in such position by a helical spring 12, engaged with the rod between the ears and secured at one end to one of the ears and at its other end to the rod.

Forward of the foremost ear 7 the rod 9 is turned to extend laterally, as shown at 13, the extremity of this portion 13 being turned to extend inwardly radially of the tube, as shown at 14. The arrangement of parts is such that when the rod 9 is moved to bring the portion 11 out of its normal position the portion 14 of the rod is moved toward the central longitudinal axis of the tube and is caused to project through an opening 15, formed in the side of the tube in the path of movement of the portion 14, this portion thus projecting into the interior of the tube. The distance between the opening 15 and the rearward end of the tube 6 is sufficient to accommodate a cartridge, as shown, this arrangement being provided for a purpose to be presently described.

Within the tube 6 there is a spring-actuated plunger 16, which lies yieldably at the rearward limit of its movement and which is thus arranged to urge cartridges disposed in the tube toward the rearward end of the latter. As shown, the rod 9 may be moved to bring its portion 11 out of its normal position, the portion 14 of the rod being moved away from the tube. When cartridges are to be placed in the magazine, the rod is moved into this position, and the cartridges are then introduced into the tube through the open rearward end thereof, the plunger being moved forwardly. After the tube is filled the rod 9 is returned to its normal position, when the portion 11 of the rod acts to prevent the passage of the cartridges from the tube.

When a cartridge is to be removed from the tube, the finger-piece 10 is pressed to move the rod against the action of the spring and to bring its portion 14 into position to project into the tube, the portion 11 being at the same time moved out of engagement with the rearmost cartridge. The gun may then be tilted to cause the rearmost cartridge to

fall into the hand, after which the finger-piece is released, and the rod returning to its original position the next cartridge passes beyond the opening 15 and lodges against the portion 11 of the rod.

In Fig. 4 of the drawings there is shown a modified form of the invention, in which the tube 6 is disposed in a recess in the stock of a gun, a finger-piece 10', corresponding to the finger-piece 10, extending outwardly of the stock through a slot 17, it being understood that the said finger-piece is elongated to suit the altered conditions. An opening 18 is formed in the rearward end of the stock and is arranged for the passage of cartridges from the tube 6 therethrough. The tube 16 is inserted in the opening 16' through a slot B, formed in the side of the stock, and this stock is closed by a plate C, having the slot 17 therein.

In Fig. 5 there is shown a different form of latch, consisting of a rod 19, having its end portions turned inwardly, and this rod is journaled between longitudinally-extending transversely-spaced ears 20, which are mounted upon the tube adjacent to the rearward end thereof. One of the inwardly-turned end portions of the rod 19 is indicated at 21 and corresponds with an angular portion 11 of the rod 9, while the other end portion is indicated at 22 and corresponds to the portion 14 of the rod 9, this portion 22 being arranged for passage through an opening 23, formed in the tube and which corresponds to the opening 15.

A spring 24 is provided and is arranged to hold the end portion 21 projected over the end of the tube and the end portion 22 outwardly of the tube. When this form of the invention is operated, the rearward end of the rod 19 is raised, which disengages the portion 21 from the rearmost cartridge, at the same time moving the portion 22 into position for engagement by the next cartridge, as will be readily understood.

It will be seen that the rod 19 may be moved to bring both of its angular end portions out of position to engage the cartridges to permit of quick removal of all of the latter.

What is claimed is—

1. A device of the class described comprising a tube arranged for the reception of cartridges, said tube being open at its rearward end, means located within the tube for urging cartridges disposed within the tube toward the open end of the latter, and a rod mounted upon the tube and having angular end por-

tions, said rod being arranged for movement to bring its end portions into and out of position for engagement by cartridges within the tube to prevent movement of the latter and being arranged to lie with one of its end portions in position for engagement by cartridges, when its other end portion is out of such position, said rod being also movable to lie with both of its end portions out of such position.

2. A device of the class described comprising a tube arranged for the reception of cartridges and being open at its rearward end, a spring-actuated plunger located within the tube and arranged to urge cartridges toward the rearward end of the tube, spaced ears mounted upon the tube adjacent to the rearward end thereof, said tube having an opening therein forwardly of the ears, a rod mounted in the ears, said rod having angular end portions and being arranged for movement to bring its rearward end portion into and out of position to project over the open end of the tube and to bring its forward end portion into and out of position to extend into the tube through the second-named opening thereof, and means for holding the rod yieldably with its rearward end portion projected over the end of the tube and with its forward end portion disengaged from the opening, the rearward end portion when in its normal position and the forward end portion when in position to extend through the opening being adapted for engagement by cartridges within the tube to prevent movement of the cartridges under the action of the spring-actuated means.

3. A device of the class described comprising a tube open at its rearward end and arranged for the reception of cartridges, a sleeve engaged with the rearward portion of the tube, spaced ears carried by the sleeve, a rod journaled in the ears and having angular end portions, means for moving cartridges through the tube toward the rearward end thereof, said rod being movable to bring its end portions successively into and out of the path of movement of the cartridges and means for holding the rod yieldably with one of its end portions in such position.

In testimony whereof I affix my signature in presence of two witnesses.

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